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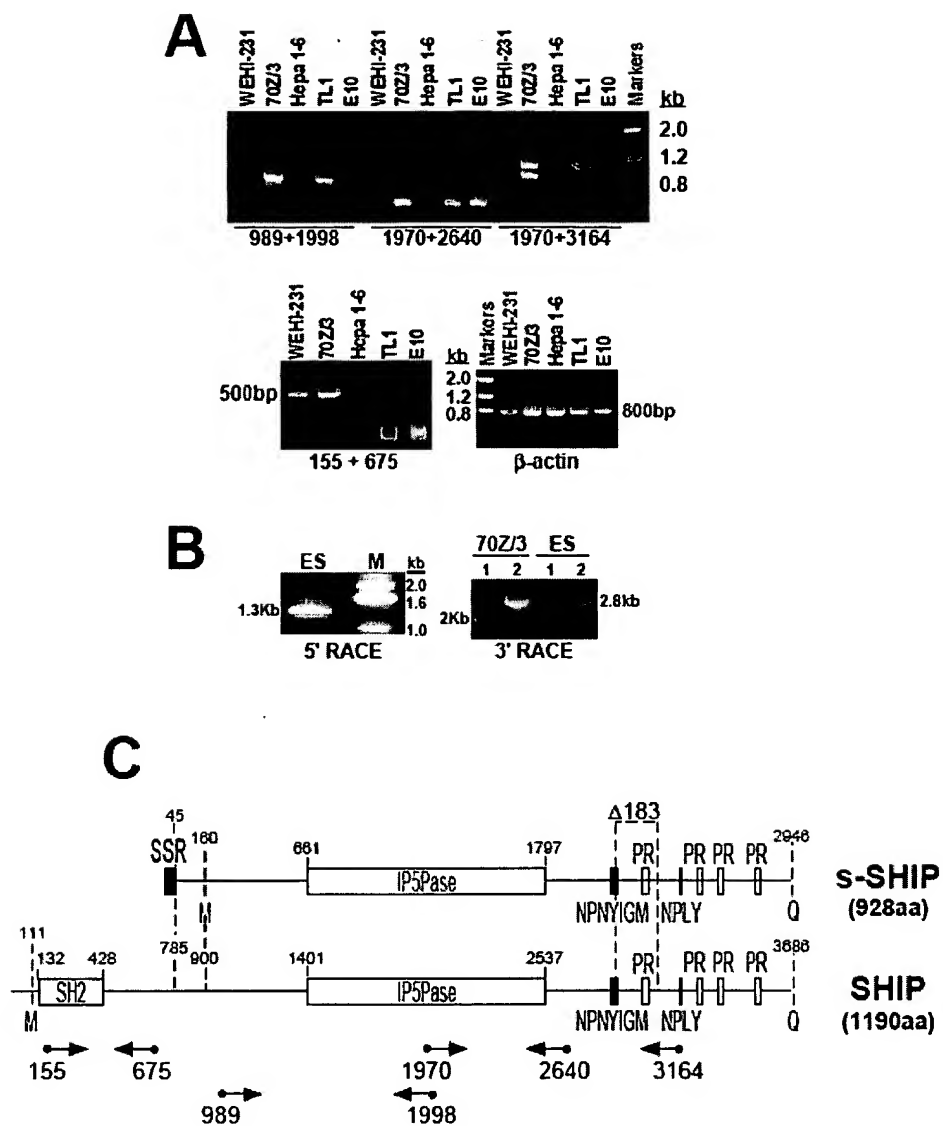


FIG. 1

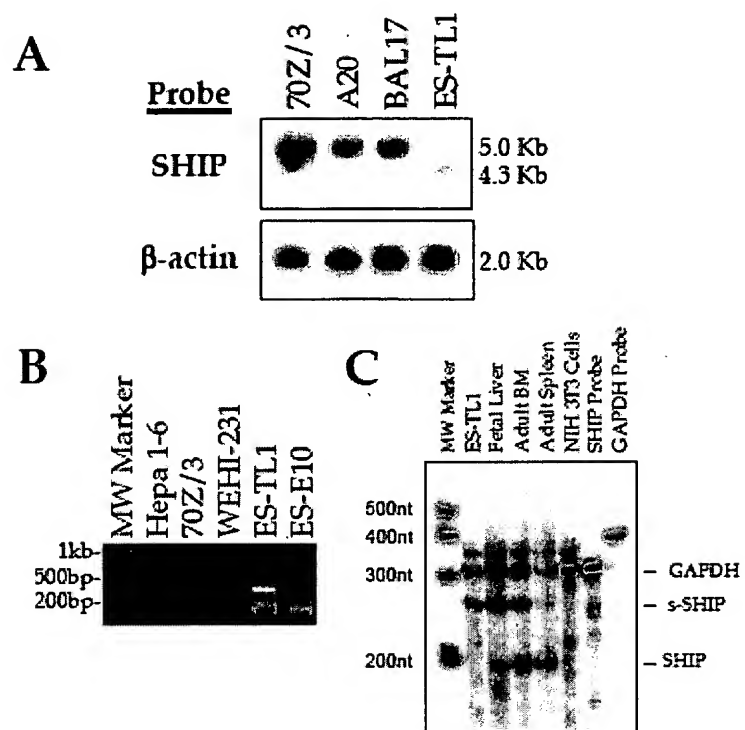


FIG. 4

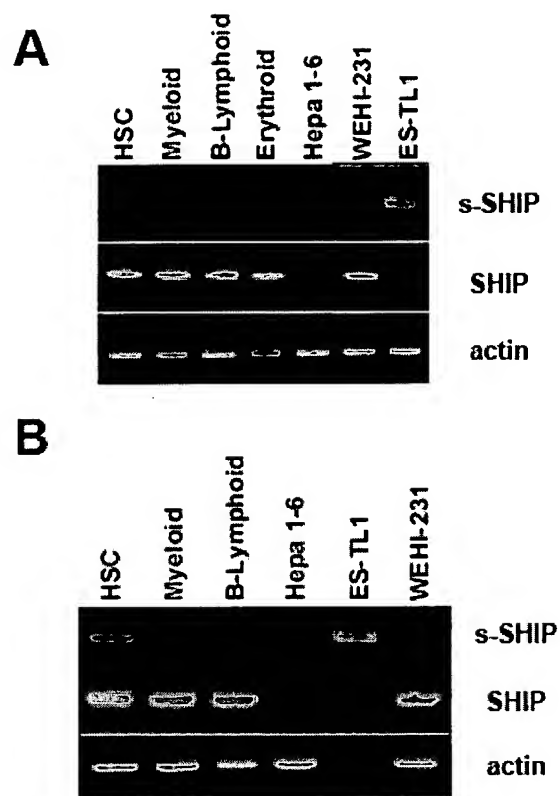


FIG. 5

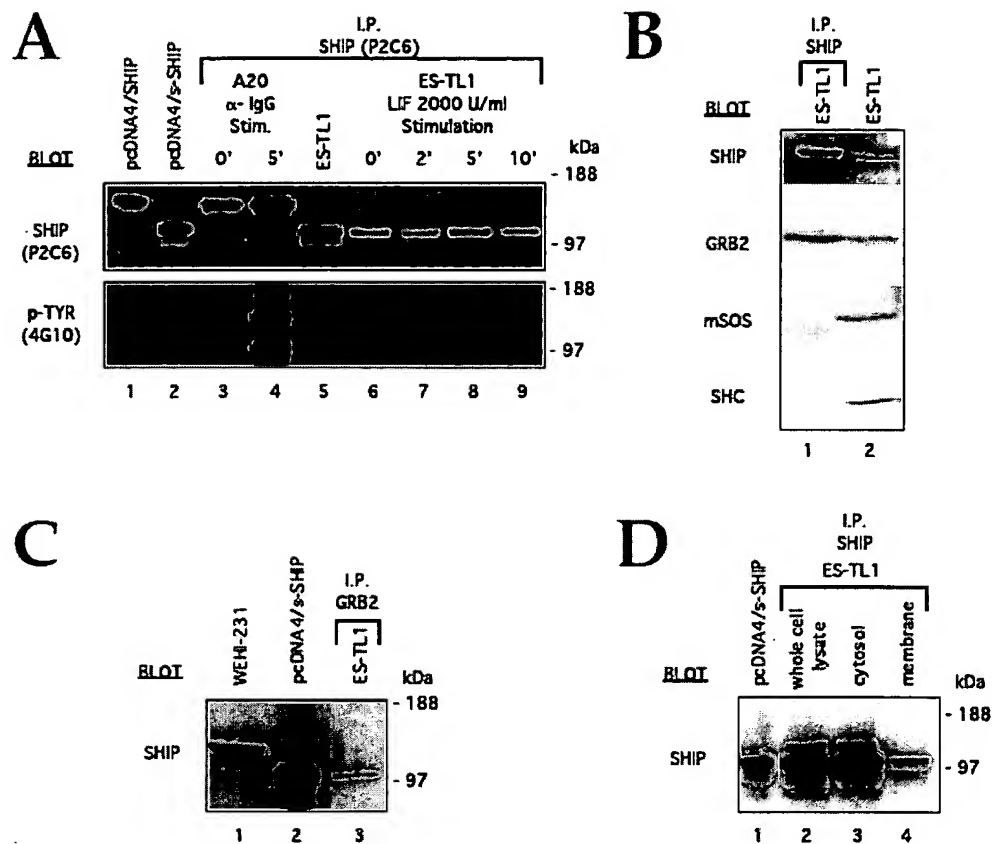


FIG. 6

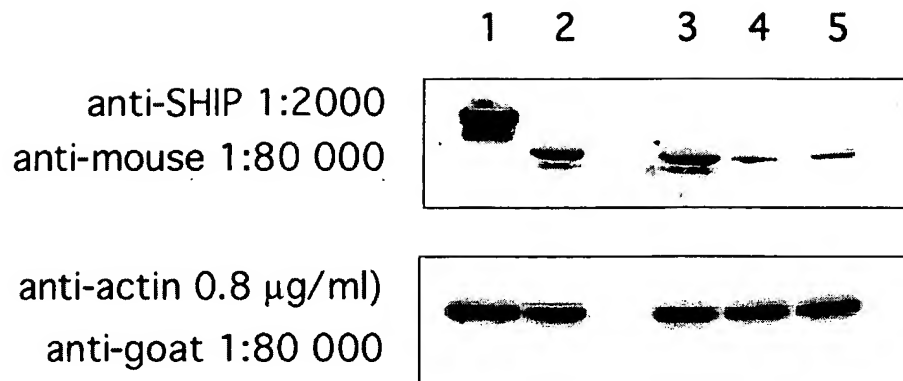
A

1 SIP-110 SSR-like region
 catggaagactctttccggTGCCCACTAATCCTTGATGTTC
 42 787
 ACCTTGTCCCCCTGCCCCCAGAGAAGTCATCCGGA
 CCCTCCCATCCCTGGAGTCTCTGCAGAGGTTATT
 TGACCAGCAGCTCTCCCCGGGCCTCCGTCCACG
 874
 TCCTCAGgtaaagggtcttgggggtgaaaagggtgagattaataccc

B

SIP110.exon1	1	- C G	C C C A C T A A	A T	C C	T T G A	T G	T T	C A C	24
s-SHIP.exon1	1	G T T	C C C A C T A	G T	T G	T T G A	A C	T T	T A C	25
SIP110.exon1	25	C T T G	T - C C C	C T G C C	C C C C A G	A G A A G T	48			
s-SHIP.exon1	26	C T T G	A A C C T	C T G C T	C C C C A G	G G A A G T	50			
SIP110.exon1	49	C A T C	C G G A C C	C T C	C C A T C C C T G G A G	73				
s-SHIP.exon1	51	C A T C	A G G A C T	C T G	C C A T C C C T G G A G	75				
SIP110.exon1	74	T C T C T G C A G A G G T T	A T T T G A C C A G	C	98					
s-SHIP.exon1	76	T C T C T G C A G A G G T T	G T T T G A C C A A	A C	100					
SIP110.exon1	99	A G C T C T C C C C	G G G C C T C	C G T C C A C G	123					
s-SHIP.exon1	101	A G C T C T C C C C	A G G C C T T	C G C C C A C G	125					
SIP110.exon1	124	T C C T C A G	130							
s-SHIP.exon1	126	A C C T C A G	132							

FIG. 7



1) Control SHIP

2) Control sSHIP
(non treated ES cells)

3) ES cell treated with negative control

4) ES cell treated with
shRNA against SHIP

5) ES cell treated with shRNA
against SHIP (EGFP marker)

FIG. 8